

# Super Unit

[Single pump type]

Maximum operating pressure

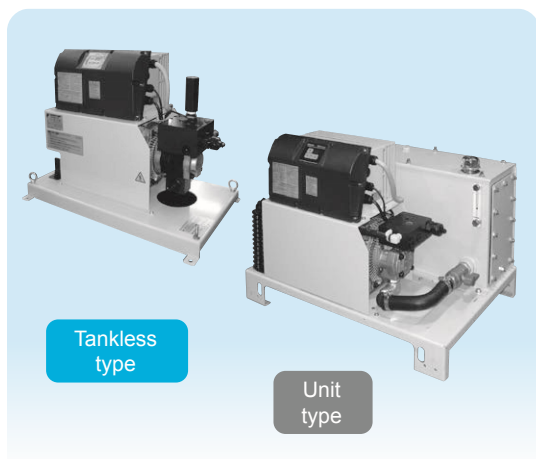
**10 MPa**

Maximum flow rate

**15 L/min**

Model code

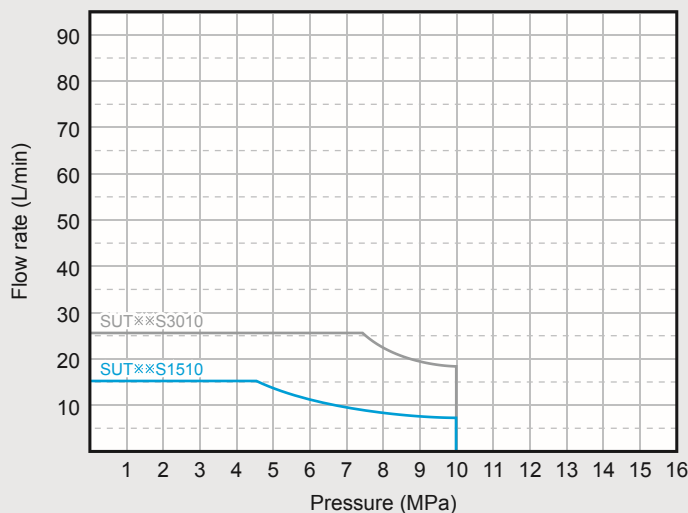
**SUT××S1510-30**



Tankless type

Unit type

## Pressure – Flow rate characteristics (Representative)



\* The graph shows actual flow rates (representative values).

\* Operating flow rate at the maximum pressure in continuous operation:

**3 L/min maximum**

## Specifications

Model code		Tankless type	Unit type
		SUT00S1510-30	SUT03S1510-30
Pump unit	Maximum flow rate (theoretical value; L/min) *1	15.2	
	Maximum operating pressure (MPa)	10.0	
	Operating flow rate adjustment range (L/min)	2.5 to 15.2	
	Operating pressure adjustment range (MPa)	1.5 to 10.0	
Motor capacity	Motor capacity (equivalent kW)	Equivalent to 2.8 kW	
Power supply	Motor pump/unit	3-phase, 200 V (50 Hz), 200 V (60 Hz), 220 V (60 Hz) (Permissible voltage fluctuation: ±10%)	
Rated current (A)	AC3 φ200V (50 Hz)	8.0	
	AC3 φ200V (60 Hz)	7.8	
	AC3 φ220V (60 Hz)	7.5	
Power source breaker setting (A)		15	
External input signal		5 channels Photo-coupler insulation, DC 24 V (DC 27 V maximum), 5 mA/channel	
External output signal	Digital output	2 channels, photo coupler insulation, FET output, DC 24 V, 50 mA maximum per channel	
	Contact output	1 channel (1 common contact), dry contact Contact capacity: DC 30 V, 0.5 A (resistance load)	
Mass (kg)		39	59
Operating conditions	Usable oil *2	Special mineral-oil base hydraulic oil/wear-resistant hydraulic oil • Viscosity grade: ISO VG32 to 68 • Viscosity range: 15 to 400 mm <sup>2</sup> /s • Contamination: Within NAS class 9 • Volumetric water content: 0.1% maximum	
	Operating hydraulic oil temperature	0 to 60°C (Recommended operating temperature range: 15 to 50°C)	
	Operating ambient temperature	0 to 40°C	
	Storage ambient temperature	-20 to 60°C	
	Operating ambient humidity	85% RH max. (no condensation)	
	Installation site	Indoors (Be sure to secure the unit with bolts.)	
Others		<ul style="list-style-type: none"> <li>• Be sure to connect a circuit breaker for all (three) poles and the earth leakage breaker.</li> <li>• Make sure that the electrical wiring meets the requirements of European Standard EN60204-1.</li> <li>• Frequent turning this unit's power supply ON/OFF will considerably shorten the control unit's service life. To start or stop the unit at 8-minute or shorter intervals, use the unit's control stop function.</li> <li>• Be sure to connect the ground terminal.</li> </ul>	
Tank capacity (L)		-	30
Standard coating color		Ivory white (Munsell code 5Y7.5/1)	

Note) \*1: The pump flow rate has been factory-set to the maximum discharge rate. The maximum discharge rate given in the table above is a theoretical value, not a guaranteed value.

\*2: Consult Daikin about the use of hydraulic oils other than mineral-oil base type (e.g. hydrous/synthetic) such as water-glycol hydraulic oil. Keep the contamination level of the hydraulic fluid within NAS contamination class 10 for operating pressures of 7 MPa or lower.

\*3: The unit incorporates a safety valve.

\*4: When selecting a Super Unit, refer to "Pressure-Flow rate characteristics and how to select a unit" on Page 49.

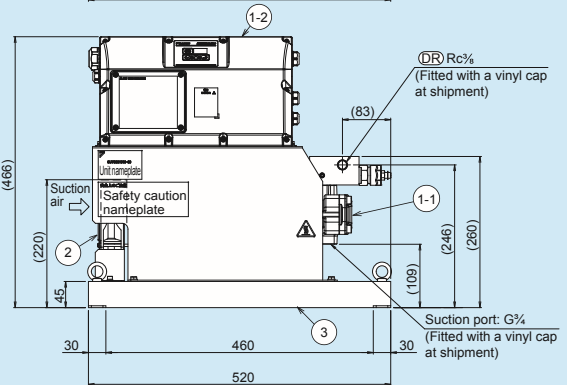
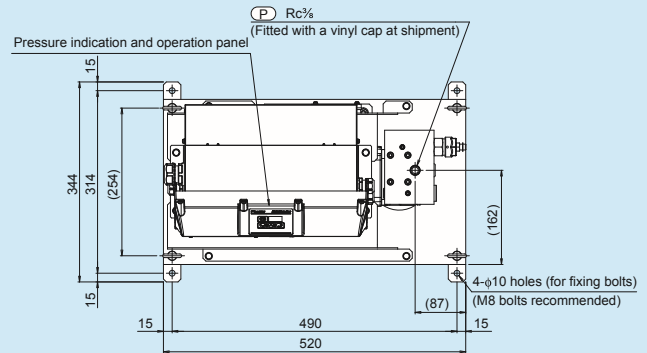
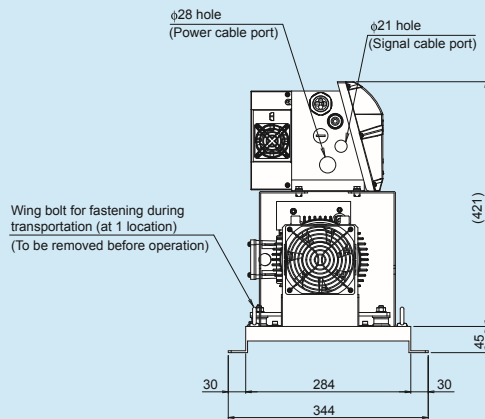
For the purpose of making improvements, the specifications given in catalogs are subject to change without prior notice. Be sure to refer to the latest outside drawing.

## External Dimension Diagram

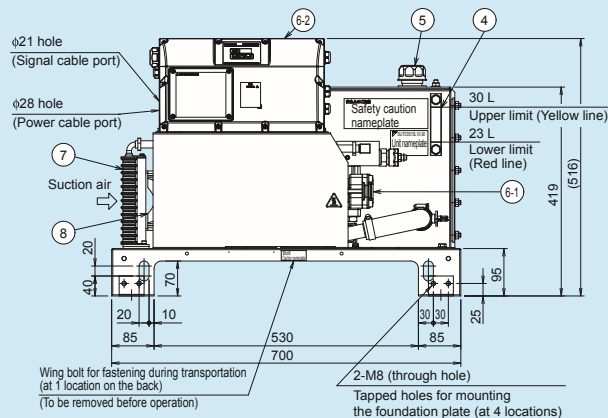
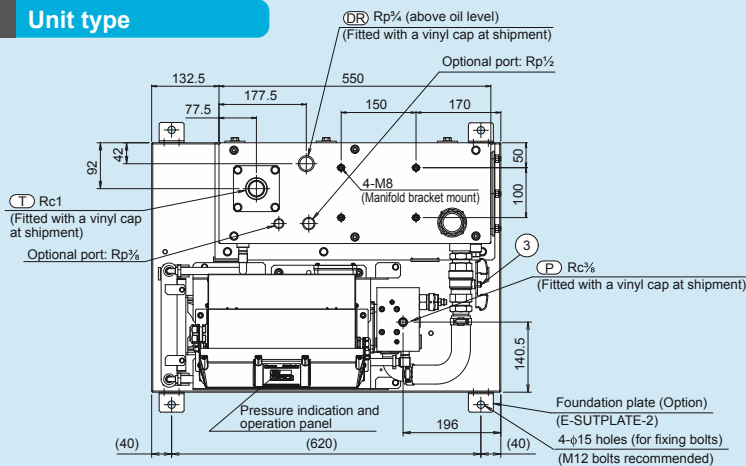
### Tankless type

#### SUT00S1510-30

Part No.	Name	Quantity
1-1	Motor pump incorporating an IPM motor	1
1-2	Controller	1
2	AC fan	1
3	Base	1



### Unit type



#### SUT03S1510-30

Part No.	Name	Quantity
1	Oil tank	1
2	Suction strainer	1
3	Stop valve	1
4	Oil level gauge	1
5	Oil filter port-cum-air bleeder	1
6-1	Motor pump incorporating an IPM motor	1
6-2	Controller	1
7	Oil cooler	1
8	AC fan	1

